

## Water Properties Sensor, Phase II

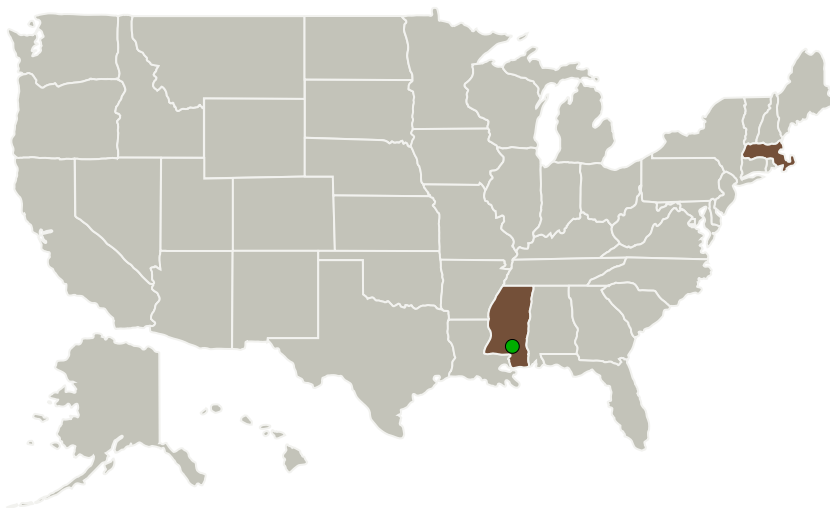
Completed Technology Project (2011 - 2012)



## Project Introduction

In this Phase II project, Kaitech proposes to develop and demonstrate a Water Properties Sensor (WPS) sensing system to synchronously measure the spectral inherent and apparent optical properties and the physical properties of oceanic, coastal, and fresh water. This single instrument will provide oceanographers with a small, easy to deploy, affordable, and adaptable integrated sensing system to collect and measure geospatial information of the in situ water's fundamental marine processes.

## Primary U.S. Work Locations and Key Partners



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Organizations Performing Work	Role	Type	Location
Kaitech, Inc.	Lead Organization	Industry	Marshfield, Massachusetts
● Stennis Space Center(SSC)	Supporting Organization	NASA Center	Stennis Space Center, Mississippi

## Primary U.S. Work Locations

Massachusetts	Mississippi
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### Project Transitions



**June 2011:** Project Start



**September 2012:** Closed out

### Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Organization:**

Kaitech, Inc.

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

### Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

**Principal Investigator:**

Richard E Cox

**Co-Investigator:**

Richard D Cox

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### Technology Maturity (TRL)

Start: **4**  
Current: **6**  
Estimated End: **6**



### Technology Areas

#### Primary:

- TX08 Sensors and Instruments
  - └ TX08.3 In-Situ Instruments and Sensors
  - └ TX08.3.4 Environment Sensors

### Target Destinations

The Moon, Mars, Outside the Solar System, The Sun, Earth, Others Inside the Solar System